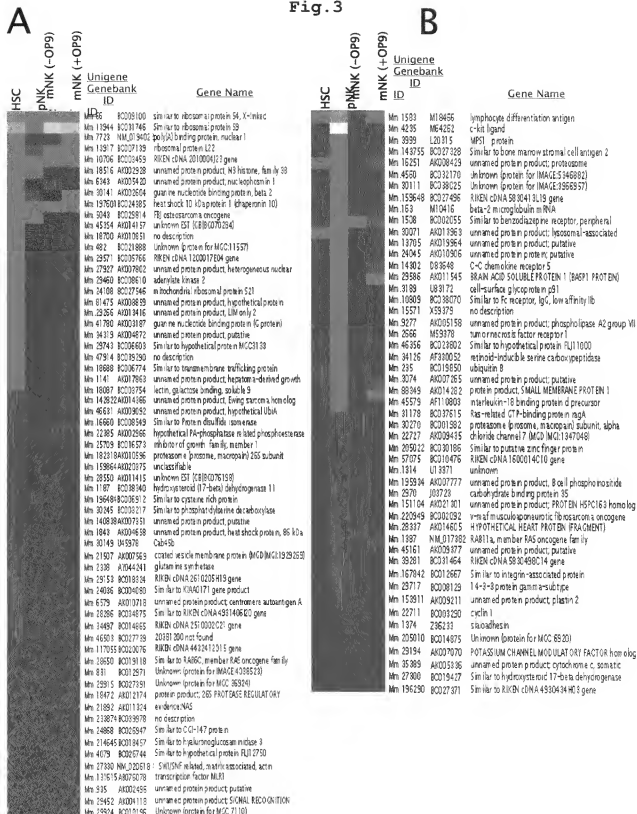


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Fig. 3

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Fig. 3

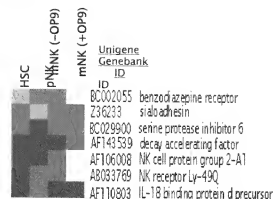
C

| HSC | pNANK (-OP9) | mNK (+OP9) | Unigene Genebank ID | Gene Name |
|-----|--------------|------------|---------------------------|---|
| | | | | |
| | | | Min. 138020 | NM_023438 ribosomal protein L13a |
| | | | Min. 15085 | BC020265 Unknown (protein for MGC 6156) |
| | | | Min. 28149 | AK018864 unknown EST (CB4W55045) |
| | | | Min. 213045 | BC023308 Similar to heterogeneous nuclear |
| | | | Min. 221289 | BC028549 Similar to RIKEN cDNA 3090524 C23 gene |
| | | | Min. 1034 | BC065636 protein phosphatase 2 (formerly 2A, regulatory |
| | | | Min. 389 | BC008228 Similar to RAS-related G botulinum substrate 1 |
| | | | Min. 20864 | BC004747 Similar to Kippos associated box (KAB) zinc |
| | | | Min. 196581 | BC067008 Similar to mitogen activated protein kinase 1 |
| | | | Min. 22435 | BC000361 Similar to RIKEN cDNA ST3041000.8 gene |
| | | | Min. 200513 | BC015245 solute carrier family 6 (neurotransmitter) |
| | | | Min. 22506 | BC027314 G1e protein |
| | | | Min. 20491 | AB041553 hypothetical protein |
| | | | Min. 35837 | AK051111 weakly similar to M1065 (Homo sapiens) |
| | | | Min. 22670 | AK047119 unman ed protein product; putative |
| | | | Min. 171547 | BC026334 Similar to coronin, actin binding protein, 2A |
| | | | Min. 148782 | BC010215 pleckstrin homology domain-containing, family A |
| | | | Min. 35677 | AK017659 unman ed protein product; hypothetical Serine-rich |
| | | | Min. 14145 | AK03802 T cell receptor gamma chain |
| | | | Min. 22061 | BC025300 serpin domain, immunoglobulin domain (Ig) |
| | | | Min. 2339 | L17069 All-1 protein |
| | | | Min. 15479 | NM_018543 estradiol 17 beta-dehydrogenase 2 |
| | | | Min. 27084 | AK029218 unman ed protein product; NUCLEAR PROTEIN SCIP |
| | | | Min. 23049 | AF153546 hypothetical protein |
| | | | Min. 21606 | AB046114 reticulon 3 |
| | | | Min. 12183 | BC020385 Similar to 60S ribosomal protein L30 isolog |

D

| HSC | pNANK (-OP9) | mNK (+OP9) | Unigene Genebank ID | Gene Name |
|-----|--------------|------------|---------------------------|--|
| | | | | |
| | | | Min. 23511 | AK014294 unman ed protein product; RIBOSOMAL PROTEIN S271 |
| | | | Min. 41746 | BC010567 Similar to RNA polymerase II transcriptional |
| | | | Min. 13886 | BC010791 suppressor of initiator codon mutations |
| | | | Min. 175512 | AF457251 cyclin anti-5a |
| | | | Min. 321 | AF515708 osteopontin |
| | | | Min. 23949 | BC013640 Similar to MIP65 protein |
| | | | Min. 196616 | AK019465 Y-box protein 3 (MGC 10109351) |
| | | | Min. 14255 | AK021381 amyloid beta (A4) precursor protein-binding, family |
| | | | Min. 216195 | AF495451 from a Homo sapiens melanoma cell line infected |
| | | | Min. 230183 | AK021021 unman ed protein product; hypothetical protein |
| | | | Min. 205000 | BC023838 Similar to eukaryotic translation initiation |
| | | | Min. 3785 | AK013512 unknown EST (C8AU030127) |
| | | | Min. 142195 | AK008670 unman ed protein product; putative |
| | | | Min. 104980 | BC011285 Unknown (protein for MGC 7004) |
| | | | Min. 27880 | BC026656 CUC triplet repeat RNA binding protein; 2 |
| | | | Min. 196581 | BC023505 Similar to S101 homolog 5 (pombe) |
| | | | Min. 3380 | AK014590 unman ed protein product; IONISIN HEAVY CHAIN |
| | | | Min. 123648 | BC024054 Similar to platelet activating receptor/homolog |
| | | | Min. 3420 | L28117 no description |
| | | | Min. 4143 | D79188 scid lung fibroblast cell line established by SV40 |
| | | | Min. 14830 | BC012616 alpha actinin 4 |
| | | | Min. 105421 | BC022140 Unknown (protein for IMAGE3101040) |
| | | | Min. 248138 | BC005676 Similar to Cell surface glycoprotein CD44 |
| | | | Min. 10702 | AK013514 calyculin binding protein (MGC 10127038) |
| | | | Min. 30177 | AK043888 unman ed protein product; hypothetical protein |
| | | | Min. 63573 | AK011125 unman ed protein product; putative |
| | | | Min. 108551 | AK016482 unman ed protein product; putative |
| | | | Min. 27818 | BC022338 Unknown (protein for IMAGE3431454) |
| | | | Min. 4948 | BC032149 Fyn proto-oncogene |
| | | | Min. 83061 | AK013831 unman ed protein product; putative |
| | | | Min. 154501 | AK014474 unman ed protein product; hypothetical 'vacuolar |
| | | | Min. 27194 | AK008480 DNA segment, Chr 7, Roswell Park 2 complex |
| | | | Min. 22358 | AK006637 DNA-DIRECTED RNA POLYMERASES III 12.5 kDa |
| | | | Min. 43750 | BC010494 signal peptidase complex (180) |
| | | | Min. 200372 | BC013444 coxiii, activin-binding protein 1C |

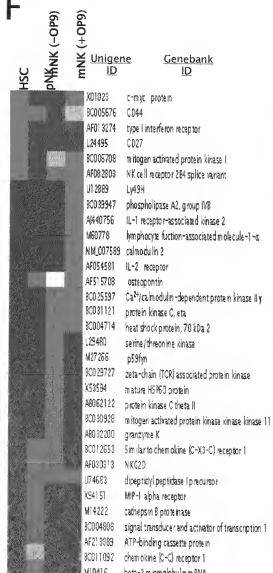
E

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Fig. 3

Gene Name

inhibition of NK activity
functions as an inhibitory receptor in human NK cells
suppression of exocytosis (perforin and granzyme) from NK cells
inhibition of human NK cytotoxicity
an inhibitory receptors
predicted to function as an inhibitory receptor
inhibition of NK cells responses

F



Gene Name

activates NK cytotoxicity
upregulates NK cytotoxic activity
increases NK cytotoxicity
mediates activation of murine NK cells
involvement in NK lysis of tumor cells
activates NK cell mediated cytotoxicity and induces secretion of IFN-γ
activating natural killer receptor
involvement in the cytotoxic functions of rat NK cells
induction of NK cytotoxicity by IL-18
required for IL-12-induced NK cell cytotoxicity
induction of NK cells activation
NF-κappa B activation in perforin expression of NK cells
upregulated in activated murine NK cells
induces release of perforin and granzyme and secretion of IFN-gamma
stimulates NK activity
interacts with NK receptor CD94 and stimulates NK activity
activates NK cytotoxicity
required NK cell-mediated lysis of target cells
Engagement of the NK cell IgG Fc receptor results in tyrosine phosphorylation of the ζ chain.
interferes with CD94/NKG2A inhibitory receptor recognition
stimulates NK activity
activates NK cell function
triggers DNA fragmentation
Dual functions of fractalkine/CX3C ligand 1 in trafficking of perforin/granzyme B+ cytotoxic effector lymphocytes
triggers cytotoxicity in mouse NK cells
requirement for the intracellular processing of granzyme A and granzyme B
increases NK cytotoxicity
protect NK cells from self-destruction after degranulation.
requirements for in NK cell functions
recruitment and activation of NK cells
recruitment of NK cells
enhancement of NK cell-mediated lysis via RAE1/NKG2D interactions